



Special AIRS Validation: *Lidar Measurements over Mauna Loa*



Full Title: **Validation of Humidity, Temperature and Ozone of the AIRS Instrument Over Mauna Loa Observatory, Hawaii**

Principal Investigator: **John E. Barnes, NOAA/CMDL**

Co- Investigators: **S. Oltmans/NOAA-CMDL**

Description of Experiment: **Observe atmospheric state by lidar at high altitude tropical site. Will coordinate with Hilo sonde launches to maximize information from measurements around Mauna Loa, with emphasis on upper tropospheric humidity.**

Quantities Measured: **Temperature, water vapor and ozone.**

Region of Observations: **Mauna Loa Observatory, Hawaii.**

Time of Observations: **Continuous.**

Special Observing Constraints: **Will provide observations over a one-hundred day period.**

